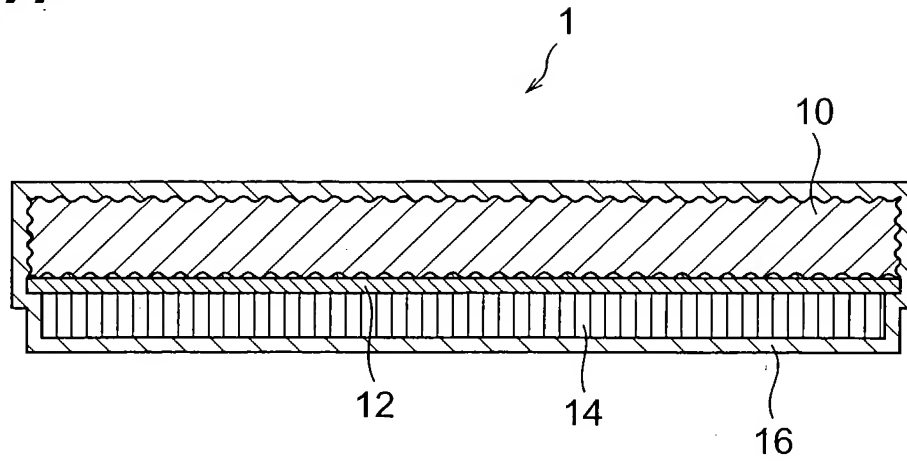
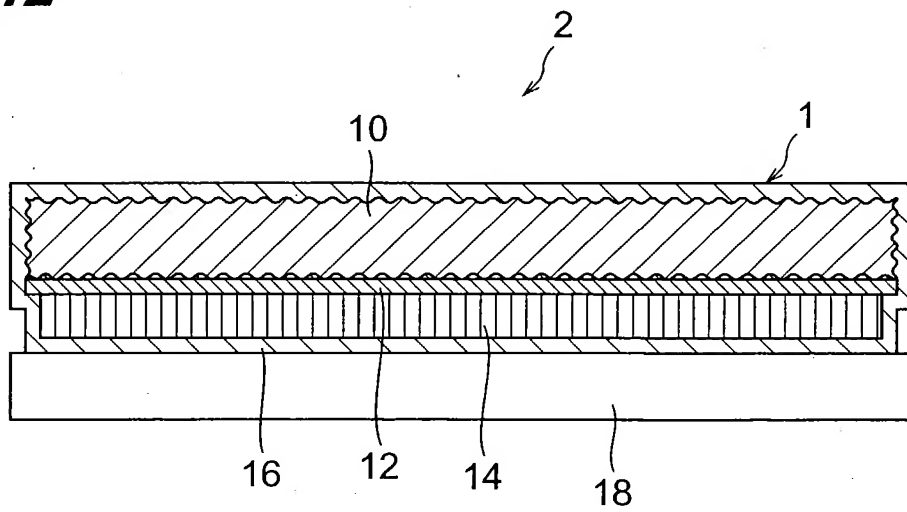


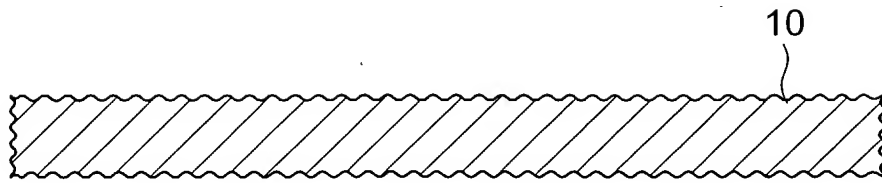
**Fig. 1**



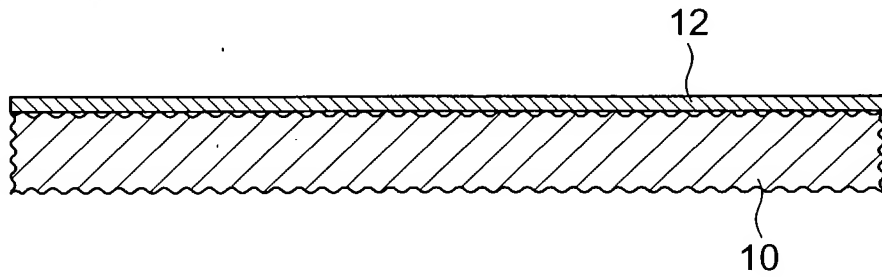
**Fig. 2**



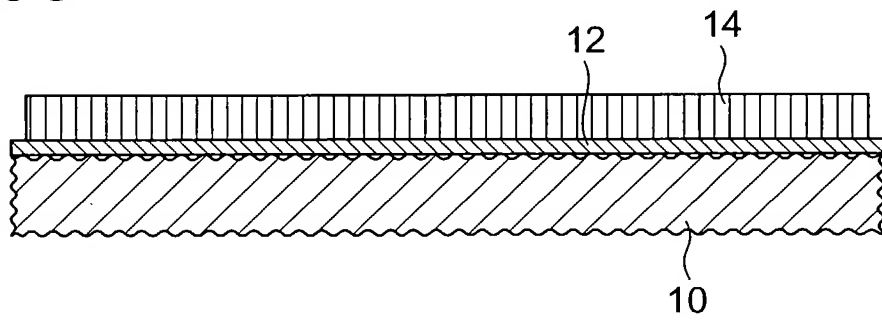
**Fig. 3A**



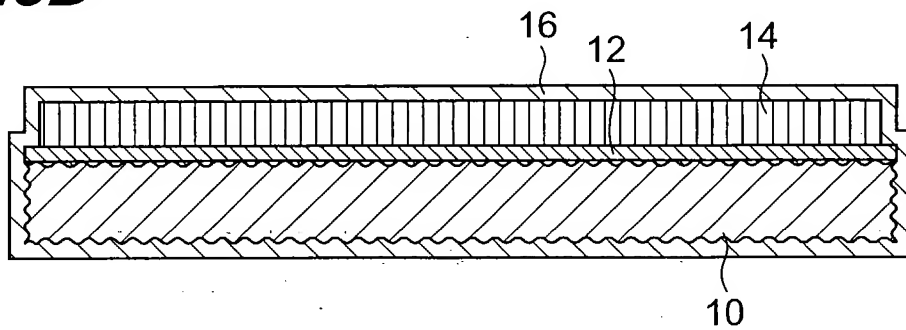
**Fig. 3B**



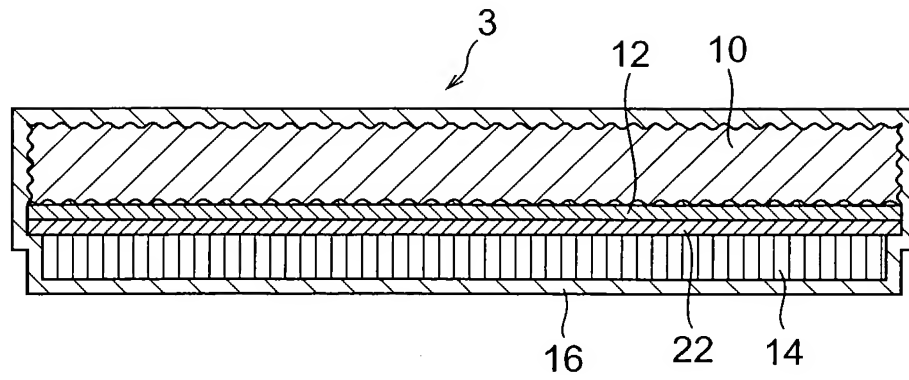
**Fig. 3C**



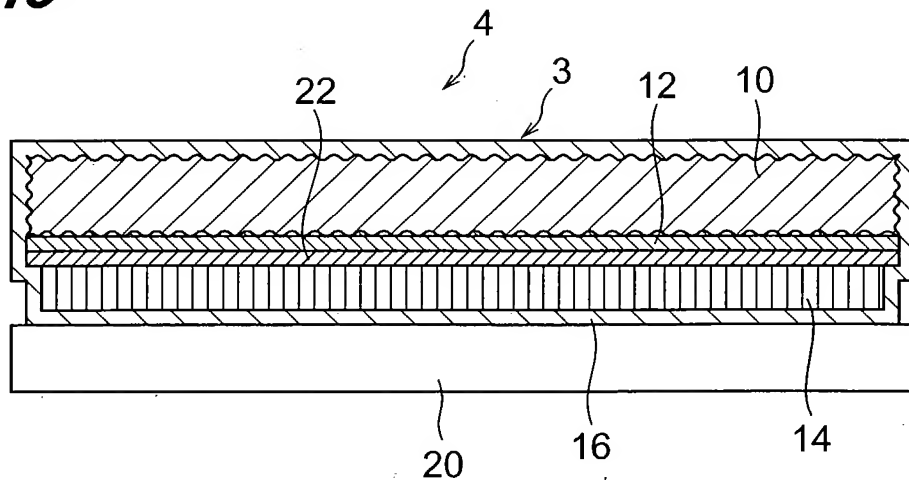
**Fig. 3D**



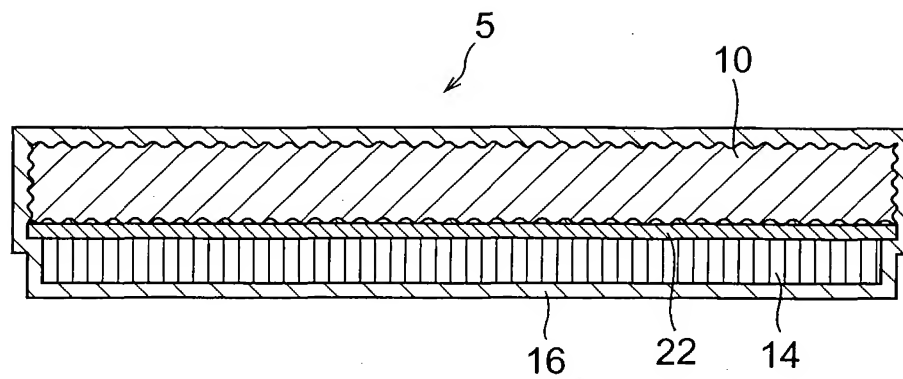
**Fig.4**



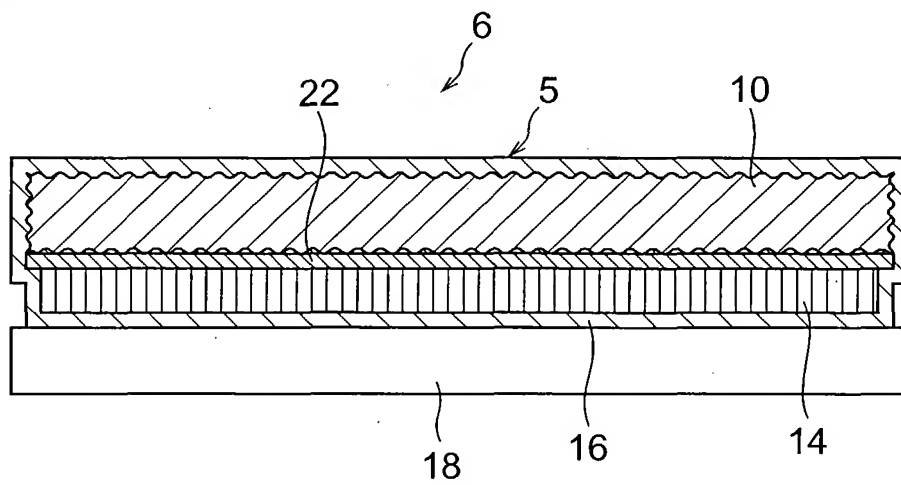
**Fig.5**



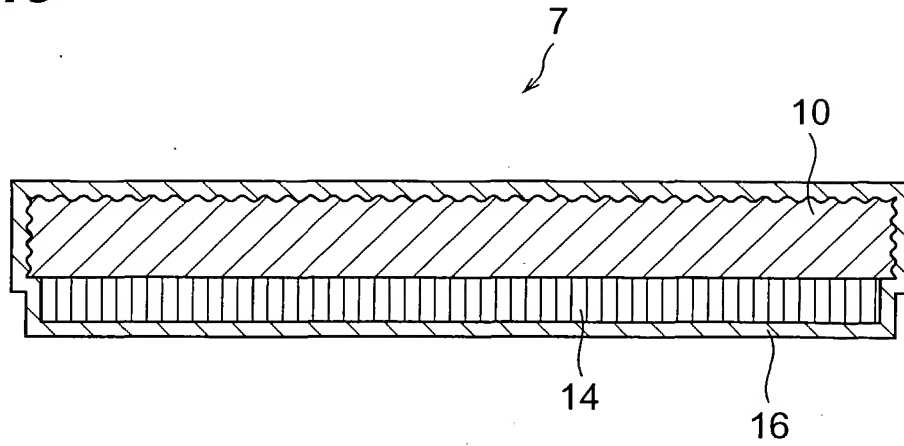
**Fig.6**



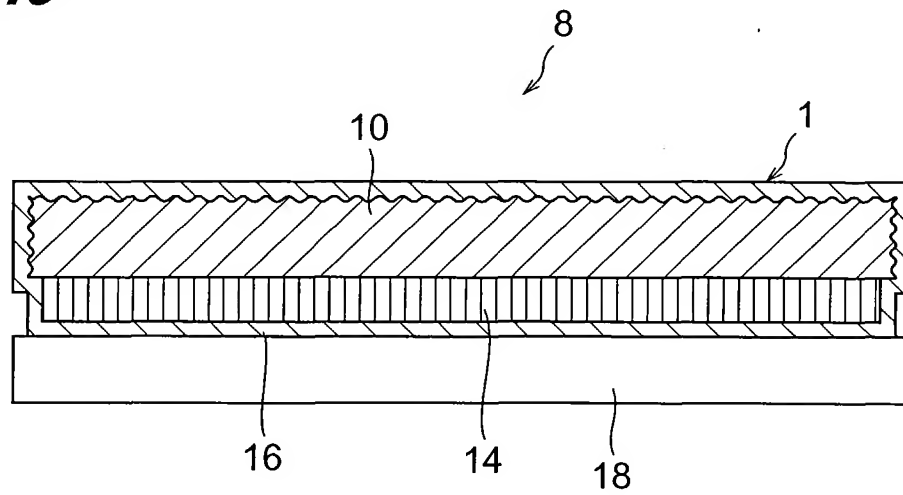
**Fig.7**



**Fig. 8**

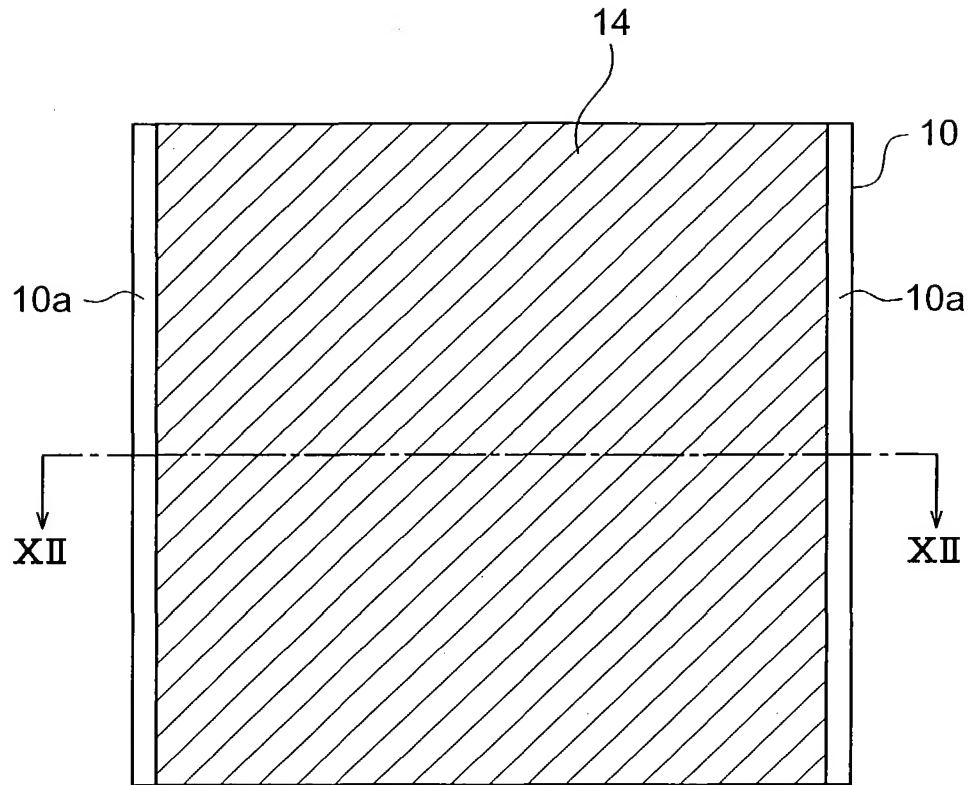
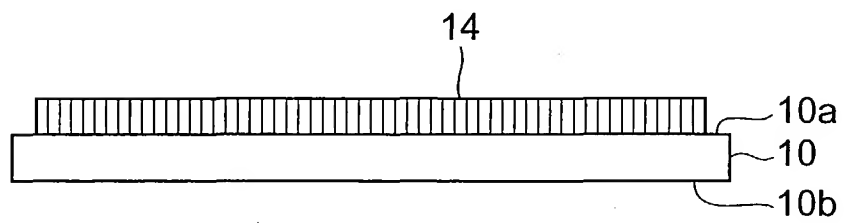


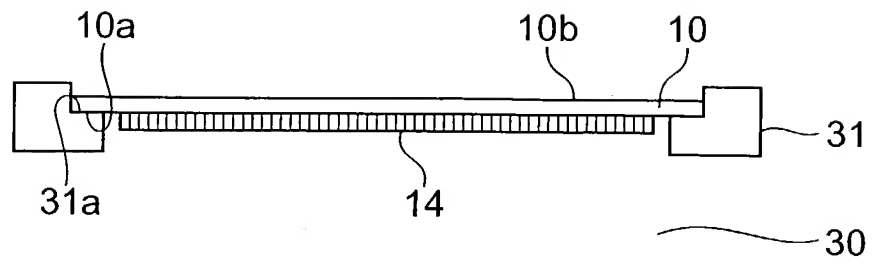
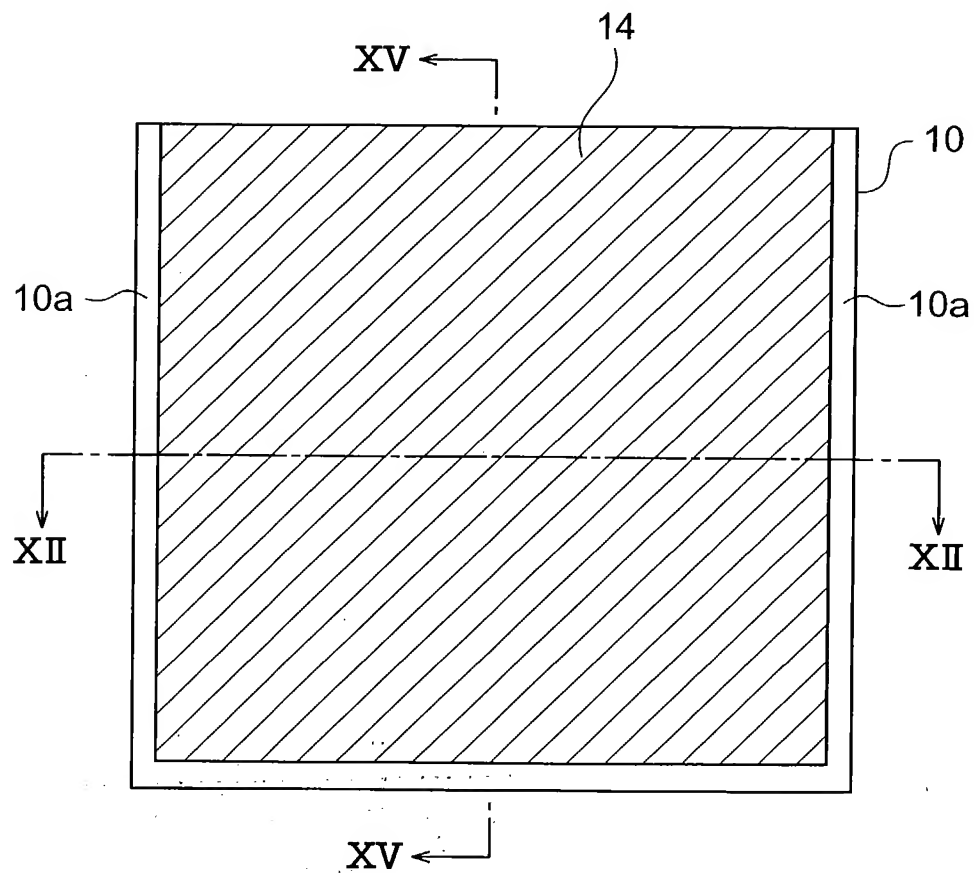
**Fig. 9**



**Fig. 10**

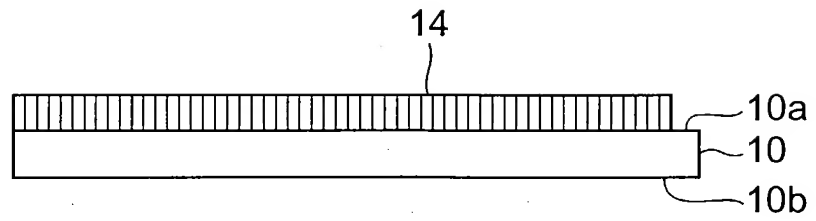
	TUBE VOLTAGE Kv	INDUSTRIAL HALF-WAVE RECTIFYING X-RAY TUBE		
		40	50	60
PRIOR ART	SUBSTRATE=Al 1mm	100%	100%	100%
FIRST EMBODIMENT	SUBSTRATE=a-C 1mm +Al FILM	260%	230%	220%
SECOND EMBODIMENT	SUBSTRATE=a-C 1mm +Al FILM+LiF FILM	300%	270%	260%
THIRD EMBODIMENT	SUBSTRATE=a-C 1mm +LiF FILM	220%	200%	190%
FOURTH EMBODIMENT	SUBSTRATE=a-C 1mm	150%	135%	130%

**Fig. 11****Fig. 12**

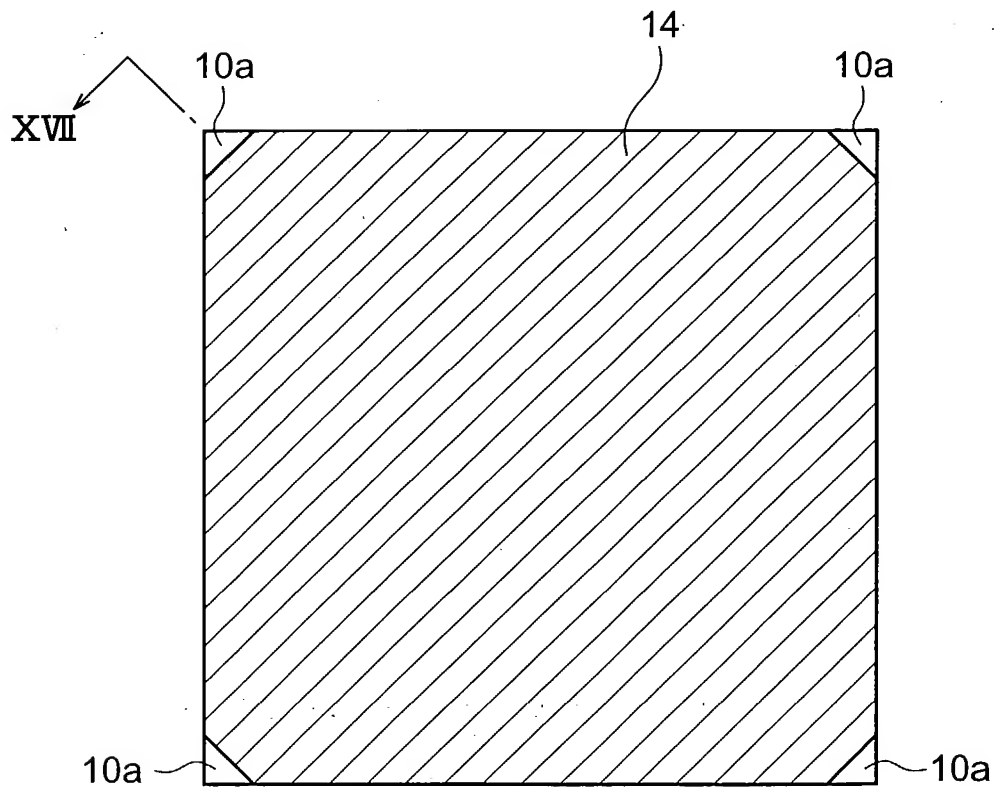
**Fig. 13****Fig. 14**



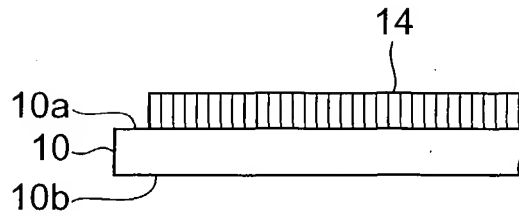
**Fig. 15**



**Fig. 16**



**Fig. 17**



**Fig. 18**

